

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
9 June 2005 (09.06.2005)

PCT

(10) International Publication Number  
**WO 2005/051775 A3**

(51) International Patent Classification<sup>7</sup>: **B65D 51/28**

(21) International Application Number:  
PCT/KR2004/003100

(22) International Filing Date:  
27 November 2004 (27.11.2004)

(25) Filing Language: Korean

(26) Publication Language: English

(30) Priority Data:  
10-2003-0085594

28 November 2003 (28.11.2003) KR

10-2003-0101455

31 December 2003 (31.12.2003) KR

10-2004-0004133 20 January 2004 (20.01.2004) KR

10-2004-0026786 19 April 2004 (19.04.2004) KR

10-2004-0057404 20 July 2004 (20.07.2004) KR

10-2004-0081154 7 October 2004 (07.10.2004) KR

10-2004-0089087 27 October 2004 (27.10.2004) KR

10-2004-0090078

5 November 2004 (05.11.2004) KR

10-2004-0097728

25 November 2004 (25.11.2004) KR

(74) Agent: NHO, Jang-Oh; #1201, Kolon Forestel Bldg.,  
45-13 Yeido-Dong, YoungDeungPo-Gu., Seoul 150-891  
(KR).

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

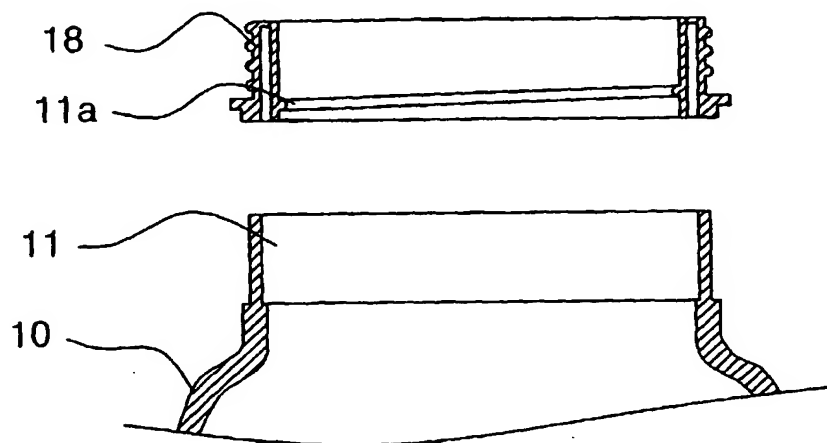
- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(71) Applicant and  
(72) Inventor: CHO, YOUNG-KOOK [KR/US]; 3803 Swallow View NE., Marietta, GA 30066 (US).

(88) Date of publication of the international search report:  
4 August 2005

[Continued on next page]

(54) Title: BOTTLE



(57) Abstract: The present invention relates to a bottle, which contains two kinds of materials separately in two spaces in a bottle body and communicates the separated spaces with each other as necessary so that the two materials can be mixed together. This bottle has a bottle body having a mouth; an additive storage container including an insertion part inserted into the mouth, an exposed part exposed outside the mouth and an additive storage space defined therein; an opening unit tightened to the mouth; and separation means for separating the additive storage container from the bottle body.

The bottle saves resources and prevents deterioration in the properties in the material and additive. A user can mix the material and additive at a precise ratio, thus preventing their chemical and physical properties from deteriorating. The additive storage container can be completely removed from the bottle body.



WO 2005/051775 A3



---

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*